



DEPARTMENT OF THE ARMY  
OFFICE OF THE DEPUTY CHIEF OF STAFF FOR OPERATIONS AND PLANS  
400 ARMY PENTAGON  
WASHINGTON DC 20310-0400

REPLY TO  
ATTENTION OF

DAMO-ZS

MAR 14 2000

MEMORANDUM FOR Record

SUBJECT: Environmental Database Integrated Product Team (EDB IPT) Minutes, 8 March, 2000

1. COL Collier, Deputy Director, AMSO hosted the IPT Kickoff meeting on 8 March. The purpose of this IPT is to develop and execute an Action Plan designed to create a common terrain and environmental database system for the Army. The system envisioned is consistent with the Geospatial Information Infrastructure Master Plan and complimentary to the DMSO Integrated Environmental Program. Appropriate stakeholders attended meeting from the C4I, M&S and Topographic communities to include: STRICOM, NIMA, TEC, DISA, DCSINT, TPIO-TD, TPIO-ABCS, NSC, USMC, DMSO, OCE, and industry. The primary purpose of the first meeting was to confirm project objectives; provide major stakeholders an opportunity to present their problem statement, issues, challenges and recommendations; and to form four Working Integrated Product Teams (WIPTs): (1) System and Process Team; (2) Technology Team; (3) Feature and Attribute COEA Team; and (4) Policy Team.
2. COL Collier opened the meeting at 0910. He presented an overview briefing describing the various aspects of the Environmental Database (EDB) initially called the Synthetic Natural Environment Integrated Product Team. Attendance roster and briefing posted to EDP IPT SIA at <http://www.amso.army.mil>.
3. COL Pierce, TPIO-TD presented a briefing on the work his office is engaged in supporting the Army's terrain data requirements.
4. Mr. Jack Huntley, TEC, presented a briefing on the mission of the Topographic Engineering Center and its support the Army's stated requirements for terrain data and information products.
5. COL Barlow, PM CATT, presented a briefing on STRICOM's mission and the relationship to terrain. The briefing clearly stated the challenges and issues facing the TEMO domain with respect to the cost of building terrain.

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6. LTC Raynes, NIMA M&S, presented a briefing on NIMA's mission and approach to overcoming the challenges in transition from a product oriented agency to an information oriented agency.

7. During the course of the briefings, several issues were discussed.

a. What does the One Step Process mean? COL Collier described this as a process that allows the user to graphically pick any location on the earth's surface and that data call query would return the required runtime version about the chosen area. Likewise, an extension of this would be an automatic request for densification sent to the appropriate authoritative data provider.

b. During the briefings there was a discussion on NIMA QA and QC on the sample FFD and MSDS. NIMA stated that the data was drawn from different types of source data collected at different times. This could have contributed to the noted inaccuracies.

c. The question was raised about the name of the IPT. The name "SNE" inferred all elements of the environment. The group felt that SNE inferred an M&S approach where as EDB would be more inclusive for C4I. Were we going to consider weather? Weather and terrain are closely tied to each other because the effects of the weather impact on terrain and model/simulation output. The decision was made to rename the IPT to the EDB IPT vice SNE IPT.

d. The AMSEC established the requirement for the formulation of the IPT. As such the IPT has a requirement to keep the AMSEC informed. COL Collier plans on delivering the Charter to the AMSEC in May. There was some discussion on DMSO not being a member of the IPT. Since the focus of the IPT is Army ground centric for C4I and M&S they were not included. It is obvious that parallel efforts provide communities from which we can leverage emerging and complimentary work. COL Collier directed that an additional slide be prepared that would include all known parallel efforts.

e. Given mission deployment goals, how would the system satisfy short notice Warfighter EDB requirements for C4I and M&S? This is one of the underlying concerns of the IPT and why it was formed.

f. COL Collier directed that the Policy team review security concerns with regard to potentially redundant databases. Could some classified data source be unclassified to support EDB development? If this could be accomplished, it would greatly reduce product development/maintenance costs at NIMA.

g. There was a discussion on ground truth versus perceived truth. C4I plans to use standard map symbology to display military conditions of the terrain, obstacles and

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transportation system outage. C4I users would input changes to terrain in their AOR based on reports from M&S. Terrain alteration will take place in the simulation when it occurs and M&S entities will report those events will when they observe the resultant changes.

h. Mr. Kanda asked where is the Material Developer (MATDEV) for C4I in this discussion? His concern was that most of the IPT attendees were from the M&S material and combat development communities while only the combat developer was present the C4I community. There was one attendee from the NVL who was charged with reporting the results of the meeting to PM ATCCS. COL Collier took the action to ensure better participation from PM ATCCS.

i. STRICOM discussed the lengthy process to correct, align and transpose data from multiple sources into an integrated terrain and environmental database. There was a question if STRICOM was aware of potential leverage opportunities from RTV ACTD. STRICOM was aware of the project.

j. TPIO-TD stated that another bottom up requirement review for terrain requirements is not required. COL Collier stated that a COEA is appropriate to define for NIMA the Army's minimum feature and attribute content requirements needed to effectively run each simulation and C4I.

k. NIMA provides imagery and geospatial information to the Services. DCSINT is the Army point of contact to NIMA for imagery and geospatial information. As such all geospatial requests are processed through DCSINT to NIMA. These requests are from CINC components to meet national priorities. M&S Geospatial requirements do not normally have sufficient priority for forwarding by DCSINT to NIMA.

l. A question was raised about the development of JMASS and was it working with SEDRIS? The JMASS community is working with SEDRIS.

m. COL Collier asked if the FFD specification dated November, 1998, was still draft. Mr. McMahon stated that is was still a draft pending receipt of the Army's final requirement statement. COL Pierce stated that the merging of the STRICOM TCDM with the USMC Marine Urban Warrior would provide the Army response to NIMA. This is a straightforward merging of two lists. This requires more work to fully populate the TCDM database with data not present in the USMC Urban Warrior. Military relationships to the features were one potential area discussed.

n. The Action Plan was reviewed. During the review the 15 objectives were reduced to 14 objectives and refined. A WIPT Lead group was identified for each objective.

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o. LTC Rust, SIMCI IPT, asked about synergistic effects of multiple efforts. Would the IPT include contact and sharing with other IPT's? For example; GII Implementation IPT, Joint Mapping Tool Kit, C4I Joint Common Data Model, Joint Common Environmental Framework IPT, the ERDEC M&S IPT, DMSO INE Program, etc. The first challenge will be to identify all the complimentary efforts. Once identified, the EDB IPT must ensure its work is consistent with and does not duplicate these efforts.

p. When asked about funding, COL Collier provided a three part answer

(1). In general, the tasks associated with this IPT relate to the core mission tasks of each participating organization. This is an important problem and should, based on leadership support to the IPT charter, result in adequate mission funding

(2). The AMSEC has designated common terrain as a high pay off target and has directed AMIP/SIMTECH to focus some of its resources against this problem. COL Collier estimates, that once the problem and possible solutions have been well defined, 2 – 4 good AMIP/SIMTECH proposals could be allocated a total of \$1 – 2M. The AMSEC will continue to approve AMIP/SIMTECH projects for funding.

(3). A third source of funding has been established in the 02 – 07 POM (TBIS MDEP) for SNE Tools. Approximately \$2M per year will be available to work the significant SNE problems. COL Collier stated that the EDB IPT would annually approve SNE projects and the use of these funds.

8. Many tough issues and technological problems remain. AMSO believes that the EDB IPT team can produce results for the system needed. This will be a long-term effort. The next IPT is scheduled for June 8. Each WIPT will brief its initial Action Plan, organization, objectives, and milestones.

9. The meeting then broke into the four subgroups: Policy WIPT, System and Process WIPT, Technology IPT, and Feature and Attribute COEA IPT. Leaders and members for each WIPT were identified. Team membership rosters are at enclosure 2.

10. Minutes, briefings and associated documents will be posted to the AMSO EDB IPT Site.

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2 Encls.

Encl. 1. Attendance Roster

Encl. 2. WIPT Membership List

A handwritten signature in black ink, appearing to read "K. Steven Collier", written in a cursive style.

K. STEVEN COLLIER

Colonel, General Staff

Deputy Director

DISTRIBUTION: A

Enclosure 1. Attendance Roster to Environmental Database Integrated Product Team  
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<b>IPT Members</b>					
<b>Rank /Title</b>	<b>Last Name</b>	<b>First Name</b>	<b>Organization</b>	<b>Phone</b>	<b>Email</b>
COL	Ball	Charles	STRICOM	407-384-3650	charles_ball@stricom.army.mil
COL	Barlow	Wellsford	STRICOM/PM CATT	407-384-3600	barloww@stricom.army.mil
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COL	Pierce	William	TPIO-TD	573-563-4086	piercew@wood.army.mil
LTC	Raynes	Bill	NIMA		RaynesW@nima.mil
LTC	Rust	Steve	SIMCI IPT	407-384-3630	Stephen_L._Rust@stricom.army.mil

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<b>Affiliated Non- Members</b>					
<b>Rank /Title</b>	<b>Last Name</b>	<b>First Name</b>	<b>Organization</b>	<b>Phone</b>	<b>Email</b>
Mr.	Bristow	Rich	Evans and Sutherland	(757) 722-5691	rbristow@es.com
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Mr.	Ethington	Don	USAAVNC		
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Mr.	Grills	John	ARL	3013943978	jgrills@arl.army.mil
Mr.	Hall	Ray	OCE	(703) 693-4405	
Mr.	Hampel	Dave	NIMA COTA	(703) 264-3001	hampeld@nima.mil
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Ms.	Herrman	Leila	Terrain SCC		
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Mr.	Lloyd	William	PM ATCCS (JMTK)	732-427-3454	wlloyd@c3smail.monmouth.army.mil
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Mr.	Visone	Dan	TEC		dvisone@tec.army.mil
Ms.	Woodard	Pam	STRICOM	(407) 368-3939	pamela_woodward@stricom.army .mil

Enclosure 2 IPT Membership to Environmental Database Integrated Product Team  
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Members of the Policy WIPT are:

MAJ Curt Doescher      (Team Leader)  
LTC Brian Loggins  
Mr. Jim Huisenga  
Dr. Nikki Deliman  
MAJ Dave Dinger

Members of the System & Process WIPT are:

COL Steve Collier      (Team Leader)  
Dr. Paul Birkel  
LTC Steve Rust  
Mr. Dick Brown  
Mr. Dave Hampel  
Mr. Terry Kanka  
Mr. Dave Horner  
Mr. Dan Visone  
Ms. Nancy Gardner

Members of the Technology WIPT are:

Ms. Pam Woodard      (Co-Team Leader)  
Mr. Jack Huntley      (Co-Team Leader)  
Dr. Dale Miller  
Mr. Max Lorenzo  
Mr. John Grills  
Mr. Don Ethington  
Mr. Tim Neal  
LTC Bill Raynes  
Mr. Rich Bristow  
Mr. Ray Hall

Members of the Feature & Attribute COEA WIPT are:

Ms. Deb Kabinier      (Co-Team Leader)  
Mr. Bernie Gajkowski      (Co-Team Leader)  
CW4 Ken Tatro  
Dr. Paul Birkel  
Mr. Bill McMahon  
Mr. Alex Baylot  
Mr. George Harris/Mr. Dave Link